



CASE STUDY

Mutual Fund Corporation Chooses Spectra for Fast and Economical Long-term Storage

Spectra nTier Verde is affordable disk file storage with simple installation, an intuitive user interface for effortless management, and architecture that assures the highest level of data integrity. Spectra's T380 tape library provides the same data protection and performance as larger, more expensive libraries and now comes with the option to add enterprise-class TS1140 Technology Tape Drives.

Spectra nTier Verde disk appliance and Spectra T380 Tape Library



Customer Requirements:

Automated Offsite Data Copy, Affordable File Storage

A large mutual fund company in the mid-western United States chose a complete tape and disk solution from Spectra Logic to refresh and update their backup environment. The company was established in the mid-1930s and offers asset management and financial planning to its customers. Due to the nature of its business, this company manages sensitive financial information that must be protected and stored indefinitely. The customer wanted to automate their off-site process and maintain their backups for an extended period as part of the data center refresh.

Solution: Spectra T380 and nTier Verde backed by CommVault Simpana 10

This customer chose a Spectra Logic tape and disk solution to meet their performance and long term retention needs. They installed CommVault Simpana 10 backup software, a Spectra T380 LTO tape library with LTO drives and media and two Spectra nTier Verde disk arrays installed across two locations. They are using several of CommVault's advanced features, including deduplication and DASH (Deduplication Accelerate Streaming Hash) Copy.

The production site includes a typical backup environment. Two CommVault Media Agents are installed on unique physical servers. These Media Agents are configured to access the nTier Verde over 10Gb through a network switch over CIFS. They are both able to access the full 127 TB system. The Media Agents are also both connected to the customers Fibre Channel environment and are zoned to see the T380 tape library and all LTO drives installed in it.

Backups are deduplicated by CommVault and written to the nTier Verde in the reduced form. They are then copied to tape with CommVault's AUX copy function. This provides a disk-based backup for quick recoveries, and a tape copy for economical long-term storage.

To meet the customers requirement of an automated off site copy of the data, a single Media Agent and an nTier Verde were deployed at their disaster

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recovery site. The Verde is the same configuration (127 TB RAW) as the one at the production site. By using the CV DASH Copy, only unique data blocks are transmitted over the WAN, reducing the size of the copy job by up to 90 percent. This allows the customer to have an automated copy run to an off-site DR location.

Results

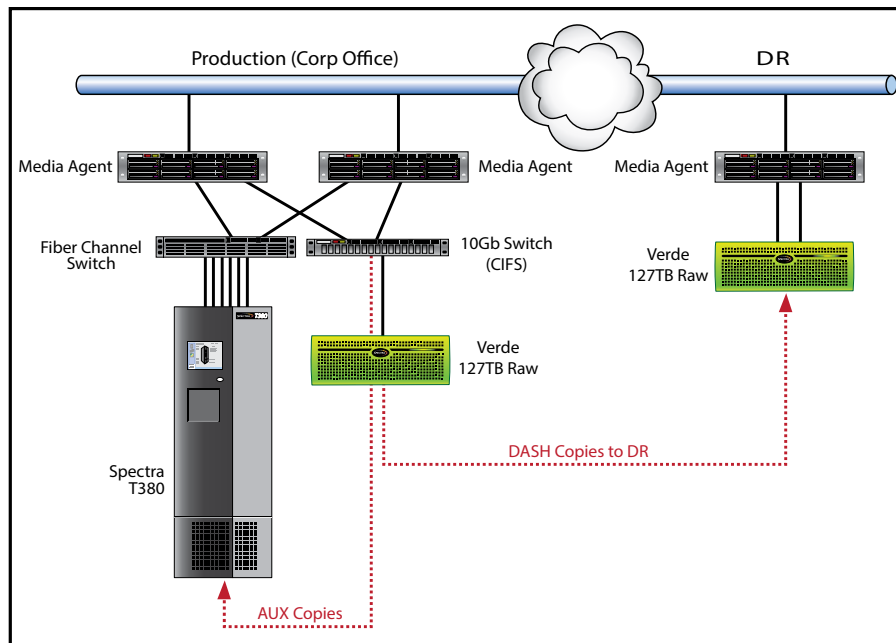
The customer now has a lights out data protection system that provides automated off site copies of their data on nTier Verde, as well as long term off line copies on the T380 tape library. The performance of the system has helped the customer complete backup jobs well inside their backup window. AUX copies from Verde to the T380 have run faster the 1.6 TB/hr, showing the performance potential of the environment.

Environment Snapshot

- Spectra® T380 with LTO drives and media
- Spectra nTier Verde 4U
- CommVault Simpana 10 backup software
- Dell Servers
- Force10 Switches

Why Spectra?

- Performance
- Economical long term storage
- Complete solution from a single vendor



Solution recap

Spectra nTier Verde, the fourth generation of the nTier disk line, will address your data growth, regulatory and backup challenges. Verde is affordable file storage with simple installation, an intuitive user interface for effortless management, and architecture that assures the highest level of data integrity. nTier Verde will meet your long-term archive and backup needs. nTier Verde is available in two models, Verde 2U and Verde 4U, ranging in sizes from 24TB up to 1.7 PB of raw storage. Deploying disk for backup and archive has never been easier.

Designed as an entry-level or remote-site, enterprise-class library, the T380 provides the same great data protection and performance as the larger, more expensive libraries. Now, it comes with the option to add enterprise-class TS1140 Technology Tape Drives. It is designed for incremental growth, and allows customers to effortlessly grow into a larger library, when the time is right and with the investment being locked-in.